

Abstract

Electric steering and driving system for a lateral wheel-steering vehicle

[0047] The invention relates to an electric steering and drive system for a vehicle having a wheel-based steering system, having drive elements for traction tracks (15, 16) or for wheels and having two drive shafts (13, 14), the first end of which is connected to the drive element (15; 16) of the respective one vehicle side and the second end of which is connected to a differential gear mechanism arrangement (17), and at least one traction motor (1, 2, 3, 4) is connected to at least one of the two drive shafts (15, 16), and having an electric steering drive (9, 10) which is drive-connected to the differential gear mechanism arrangement (17), it being possible for the traction motors and steering drives to be supplied with electric current from at least two energy sources (19, 20, 21) which are independent of one another.

(Fig. 1)